UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/691,535	10/24/2003	Clive Bearman	062070-0311796	6874

909   7590   06/12/2008
PILLSBURY WINTHROP SHAW PITTMAN, LLP
P.O. BOX 10500
MCLEAN, VA 22102

EXAMINER
FORD, GRANT M

ART UNIT	PAPER NUMBER
2141	

MAIL DATE	DELIVERY MODE
06/12/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<table>
<tr><td rowspan="2">Office Action Summary</td><td>Application No.</td><td>Applicant(s)</td><td></td></tr>
<tr><td>10/691,535</td><td>BEARMAN, CLIVE</td><td></td></tr>
<tr><td>Examiner</td><td>Art Unit</td><td></td></tr>
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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>17 March 2008</u>.
2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-49 and 51-62</u> is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) <u>1-49,51-62</u> is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.
10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All   b)☐ Some * c)☐ None of:
      1.☐ Certified copies of the priority documents have been received.
      2.☐ Certified copies of the priority documents have been received in Application No. _____.
      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)
1)☐ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.
4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.
5)☐ Notice of Informal Patent Application
6)☐ Other: _____.

U.S. Patent and Trademark Office
PTOL-326 (Rev. 08-06)   Office Action Summary   Part of Paper No./Mail Date 20080608

DETAILED ACTION

Response to Arguments

1.   Applicant's arguments filed 3/17/2008 have been fully considered but they are

not persuasive. Applicant argued in substance that –

(A)   The prior art of Yairi fails to disclose transmitting information from a web

service in response to a web service command to at least one other user.

2.   As to point (A), Applicant argued that Yairi fails to disclose transmitting

information from a web service in response to a web service command to at least one

other user. Yairi discloses receiving a human intervention request from a user at a web

services proxy and thereafter forwarding messages received between the IM client and

a human operator associated with the web service (Para. 0049).

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by
> another filed in the United States before the invention by the applicant for patent or (2) a patent
> granted on an application for patent by another filed in the United States before the invention by the
> applicant for patent, except that an international application filed under the treaty defined in section
> 351(a) shall have the effects for purposes of this subsection of an application filed in the United States
> only if the international application designated the United States and was published under Article 21(2)
> of such treaty in the English language.

4.   Claims 1-13,16-27,30-34,36-41,43,45-47,49,51-53,and 55-57 are rejected under

35 U.S.C. 102(e) as being anticipated by Yairi et al. (US 2004/0078424).

        a.   As per claim 1 Yairi discloses a system for facilitating the exchange of

data between a user and a web service via instant messaging client, comprising:

        a processor that receives and processes a user command from an instant

        messaging client and generates a web service command corresponding to the user

        command (Para. 0023-0025, 0037);

                a database that stores information linking the user command to a web

service command format (Para. 0027);

                a web services engine that sends the web service command to the web

service (Para. 0023-0026); and

                a means for transmitting information from the web service in response to

the web service command to at least one other user (Para. 0023-0025,0038,0049).

        b.   As per claim 2, Yairi discloses wherein the web services engine receives a

message from the web service in response to the web service command (Para. 0039-

0042).

        c.   As per claim 3, Yairi discloses wherein the web services engine used to

locate a web services description language file (Para. 0028).

        d.   As per claim 4, Yairi discloses wherein the web services engine retrieves

a web service address (Para. 0026 – see discovery).

        e.   As per claim 5, Yairi discloses wherein the web services engine retrieves

the web service command format (Para. 0033,0041).

f.   As per claim 6, Yairi discloses wherein the processor links the user command to a web service description language file (Para. 0041-0042).

g.   As per claim 7, Yairi discloses wherein the processor links the user command to the web service and the web service command format (Para. 0041-0042).

h.   As per claim 8, Yairi discloses wherein the database stores user information, the user information comprises at least one of user identification and user password (Para. 0025-0026).

i.   As per claim 9, Yairi discloses wherein the database stores user privileges information (Para. 0025-0026).

j.   As per claim 10, Yairi discloses wherein the information linking the user command to a web service command format stored in the database comprises a web services description language file location (Para. 0028,0031,0041-0042).

k.   As per claim 11, Yairi discloses wherein the information linking the user command to a web service command format stored in the database comprises the web service's address (Para. 0026 – see discovery).

l.   As per claim 12, Yairi discloses wherein the information linking the user command to a web service command format stored in the database comprises a web service description language file name (Para. 0028,0031,0041-0042).

m.   As per claim 13, Yairi discloses wherein the processor uses the information linking the user command to a web service command format stored in the database to generate the web service command (Para. 0041-0042).

n.   As per claim 16, Yairi discloses a security and provisioning engine, the security and provisioning engine retrieves security information (Para. 0025-0026).

o.   As per claim 17, Yairi discloses wherein the security information having user privileges information (Para. 0025-0026).

p.   As per claim 19, Yairi discloses wherein the system interfaces a remote database including user security information (Para. 0026).

q.   As per claim 20, Yairi discloses wherein the remote database including the user security information includes a directory that has information relating to user privileges (Para. 0025-0026).

r.   As per claim 21, Yairi discloses a method that facilitates the exchange of data between one or more users and one or more web services via one or more instant messaging clients, comprising the steps of:

receiving a user command from a user of an instant messaging client (Para. 0037);

linking the user command to a web service command format, the web service command format associated with a web service (Para. 0027);

generating a corresponding web service command based on the web service command format (Para. 0027-0028);

sending the generated corresponding web service command to the web service (Para. 0025-0028); and

transmitting information from the web service in response to the web service command to at least one other user (Para. 0023-0025,0038,0049).

s.   As per claim 22, Yairi discloses wherein linking of the user command to a web service command format comprises linking the user command to a web service description language file (Para. 0028,0031,0041-0042).

t.   As per claim 23, Yairi discloses wherein linking of the user command to a web service command format comprises locating the web service's address (Para. 0026).

u.   As per claim 24, the Examiner takes Official Notice regarding the use of a URL for a web service address. The use of a URL for a web service address was well known and widely used in the art at the time the invention was made, for example with regard to the SOAP protocol for web services (See MPEP 2144.03).

v.   As per claim 25, Yairi discloses receiving a message from the web service (Para. 0039-0042).

w.   As per claim 26, Yairi discloses wherein the message received from the web service is a response message (Para. 0039-0042).

x.   As per claim 27, Yairi discloses sending the message from the web service to the one or more users (Para. 0039-0042).

y.   As per claim 30, Yairi discloses storing user information (Para. 0025-0026).

z.   As per claim 31, Yairi discloses wherein the stored user information includes user command information is for at least one of the users (Para. 0026).

aa.   As per claim 32, Yairi discloses wherein the stored user command

information stored for the at least one of the users includes information linking the user

command to the web service command format (Para. 0028,0031,0041-0042).

bb.   As per claim 33, Yairi discloses parsing security information to determine

a user's access rights to the web service (Para. 0025-0026).

cc.   As per claim 34, Yairi discloses wherein the security information is stored

in a database (Para. 0025-0026).

dd.   As per claim 36, Yairi discloses a program storage device readable by a

machine, tangibly embodying a program of instructions executable by a machine to

perform method steps of exchanging data between one or more users and a web

service via one or more instant messaging client, the method steps comprising:

   receiving an instant messaging message created using an instant messaging client

   (Para. 0029-0031, 0037-0039);

      identifying a web service description language file associated with the

instant messaging message (Para. 0031);

      identifying a web service listed in the web service description language file

that is linked to the instant messaging message (Para. 0029-0031);

      sending a web service message that is associated with the instant

messaging message to the web service according to information provided in the web

service description language file (Para. 0029-0031,0037-0039); and

      transmitting information from the web service in response to the web

service message to at least one other user (Para. 0023-0025, 0038, 0049).

ee.   As per claim 37, Yairi discloses wherein the web service message having

a web service command (Para. 0037-0039).

ff.   As per claim 38, Yairi discloses receiving a message from a web service

(Para. 0039-0042).

gg.   As per claim 39, Yairi discloses wherein the message from the web

service is in response to the web service message (Para. 0039-0042).

hh.   As per claim 40, Yairi discloses wherein the message from the web

service is forwarded to one or more users (Para. 0039-0042).

ii.   As per claim 41, Yairi discloses storing user information (Para. 0025-

0026).

jj.   As per claim 43, Yairi discloses wherein the instant messaging message

comprises a user command (Para. 0029).

kk.   As per claim 45, Yairi discloses a system for facilitating the exchange of

data between one or more instant messaging clients and a web service, comprising:

a message processor means, the message processing means for receiving and

processing a user command from the instant messaging client and generating a

corresponding web service command based on the user command (Para. 0039-

0042);

a storage means for storing information that links the user command to

format of the corresponding web service command (Para. 0040-0041);

a communication means for accessing a web services description

language file (Para. 0029,0031,0041-0042); and

a means for transmitting information from the web service in response to the web service command to at least one other user (Para. 0023-0025,0038).

ll.   As per claim 46, Yairi discloses wherein the communication means for communicating with the at least one web service (Para. 0023-0025, 0039-0042).

mm.   As per claim 47, Yairi discloses wherein the corresponding web service command is generated by using the stored linking information that links the user command to the format of the corresponding web service command (Para. 0041-0042).

nn.   As per claim 49, Yairi discloses wherein the message processor means for storing user privileges information (Para. 0025-0026).

oo.   As per claim 51, Yairi discloses wherein the message processor means for parsing user privileges information (Para. 0025-0026).

pp.   As per claim 52, Yairi discloses wherein the system interfaces with a database having security information (Para. 0025-0026).

qq.   As per claim 53, Yairi discloses wherein the user directly transmits the information received from the web service with at least one other user (Para. 0023-0025).

rr.   As per claim 54, Yairi discloses wherein the means for transmitting information from the web service is the web service engine (Para. 0049).

ss.   As per claim 55, Yairi discloses wherein the user selects at least one other user to transmit the information received from the web service to (Para. 0023-0025).

tt.   As per claim 56, Yairi discloses wherein the system includes a filter that

prevents users without user privileges from viewing the information (Para. 0026-0027).

uu.   As per claim 57, Yairi discloses wherein the web service initiates contact

with the user without prompting from the user (Para. 0031, 0049).

vv.   As per claims 58 and 60, Yairi discloses wherein the means for

transmitting information from the web service is the instant messaging client (Fig. 8A-

8C).

ww.   As per claims 59 and 61, Yairi discloses wherein the means for

transmitting information from the web service is the processor (Para. 0049).

xx.   As per claim 62, Yairi discloses wherein the means for transmitting

information from the web service is the web service (Para. 0049).

Claim Rejections - 35 USC § 103

5.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

6.   Claims 14-15,28-29,35,42,44,and 48 are rejected under 35 U.S.C. 103(a) as

being unpatentable over Yairi in view of Upton (US 2003/0105884).

a.   As per claims 14 and 28, Yairi discloses the invention substantially as claimed above. However, Yairi fails to explicitly teach the use of enterprise systems.

Upton teaches wherein the web service is associated with an enterprise system (Abstract, Para. 0138,0141). It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the use of enterprise systems with web service networks. One of ordinary skill in the art would have been motivated to do so for the purpose of providing access to large-scale business applications such as customer relationship management, enterprise resource planning, and human resources applications (Para. 0141).

b.   As per claims 15 and 29, Yairi discloses the invention substantially as claimed above. However, Yairi fails to explicitly teach the use of legacy systems.

Upton teaches wherein the web service is associated with a legacy system (Para. 0027,0044, 0132). It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the use of legacy systems with web service networks. One of ordinary skill in the art would have been motivated to do so for the purpose of providing access to legacy mainframe applications such as CICS (Para. 0027).

c.   As per claims 18,35,42,44,and 48, Yairi discloses the invention substantially as claimed above. However, Yairi fails to explicitly teach the use of enterprise or legacy systems.

Upton teaches wherein the web service is associated with an enterprise or legacy system (Abstract, Para. 0027,0044, 0132,0138,0141). It would have been

obvious to one having ordinary skill in the art at the time the invention was made to

incorporate the use of enterprise systems with web service networks. One of ordinary

skill in the art would have been motivated to do so for the purpose of providing access

to large-scale business applications such as customer relationship management,

enterprise resource planning, and human resources applications (Para. 0141) or

providing access to legacy mainframe applications such as CICS (Para. 0027).

Conclusion

7.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to GRANT FORD whose telephone number is (571)272-

8630. The examiner can normally be reached on 8-5:30 Mon-Thurs alternating Fridays.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Rupal Dharia can be reached on (571)272-3880. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/G. F./
Examiner, Art Unit 2141

/Andrew Caldwell/
Supervisory Patent Examiner, Art Unit 2142